

**IT | STEM**

**A C A D E M Y**

# Strategic Workforce Investment (SWI) Fund



Thank You,  
Utah State Legislature

# Mission of IT STEM Academy



Create a pipeline of students trained in I.T., coding, and computer related fields to meet industry demands



High School CTE



IT STEM &  
Code to Success



Bridgerland  
Skills Certificate



Degree at USU

# Participating High Schools



Bear River

Mountain Crest

Box Elder

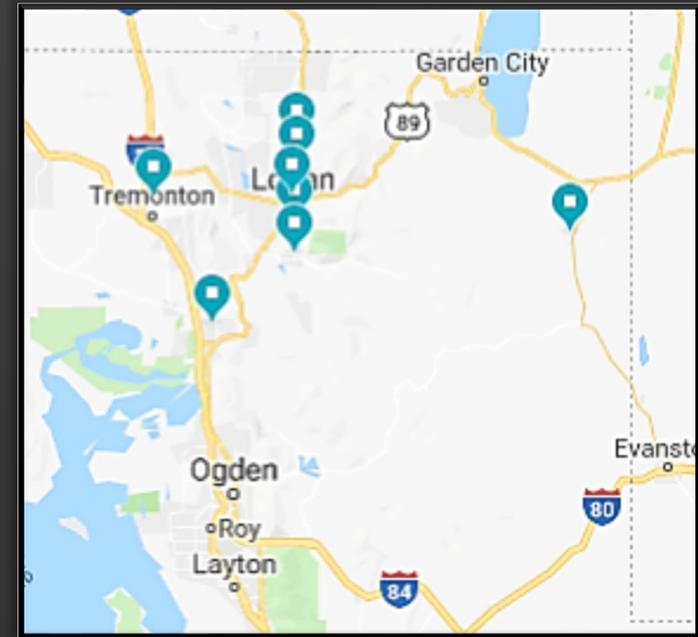
Rich High

Green Canyon

Ridgeline

Logan High

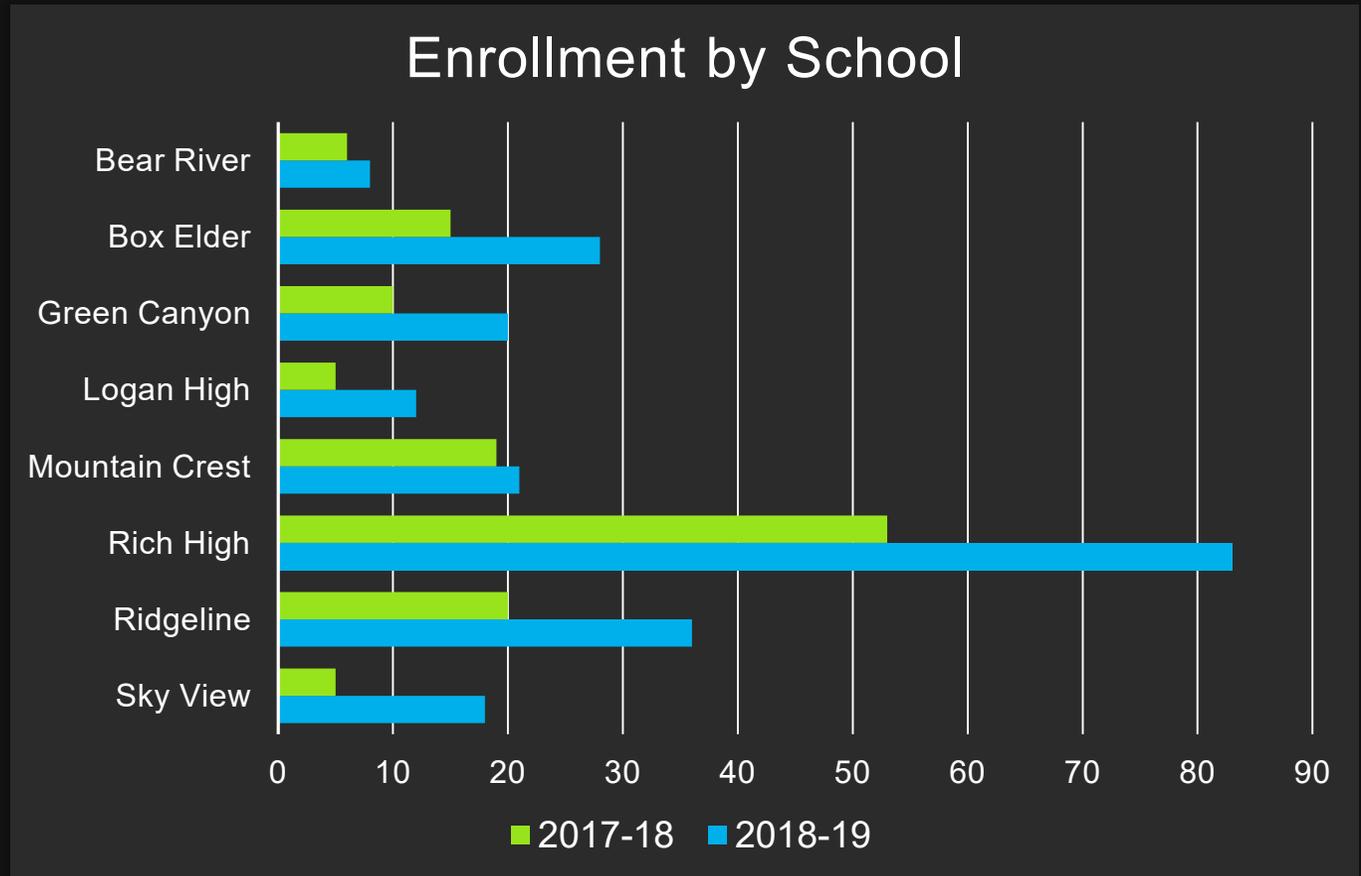
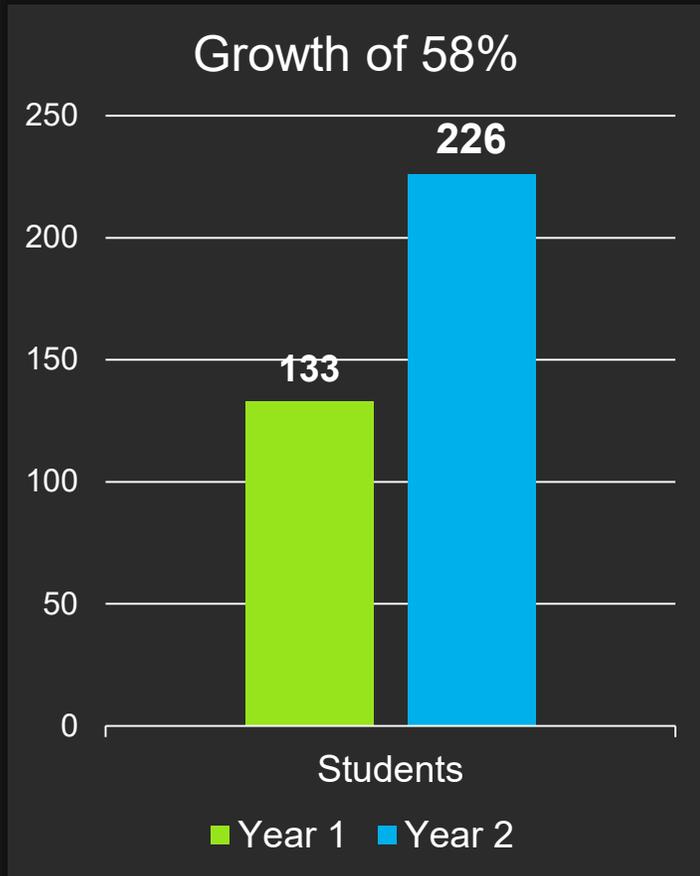
Sky View



# IT STEM Classroom



# Enrollment – First Two Years



# IT STEM Academy Offerings



- PC Skills (Hardware & Software) \*
- Mac \*
- Web Coding - HTML/CSS
- Python Coding
- Raspberry Pi Applications \*
- Networking \*
- Linux \*
- Cybersecurity & Ethical Hacking \*
- Security \*
- Industry Certifications: A+, Net+, Pro certifications \*

\* Topics not currently taught by the high schools

# Why IT STEM Academy Is Thriving



Teacher Training



Equipment & Hands-On Labs



Engagement & Teamwork



Pathway to a Career



Industry Support

# Teacher Training



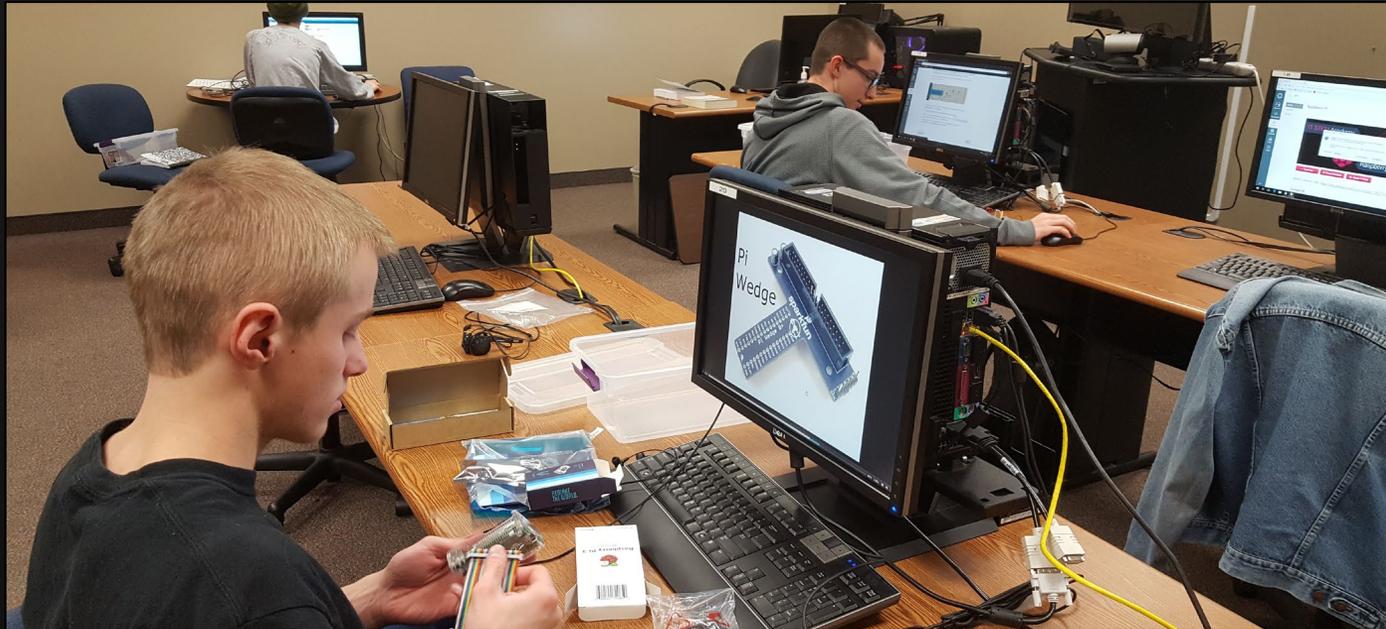




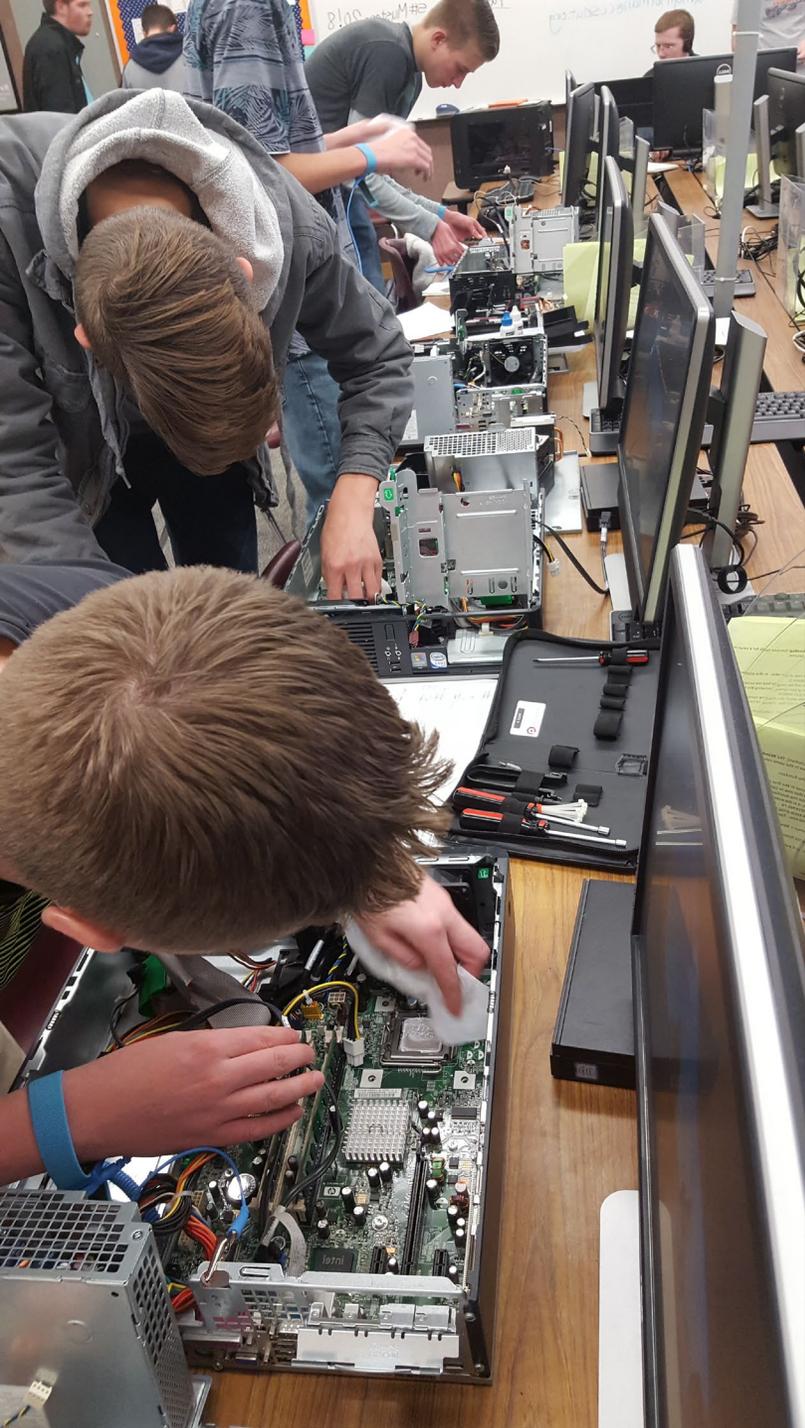
Category 5  
250 FT  
CAT 5E  
150 Mbps

IT/STEM  
ACADEMY

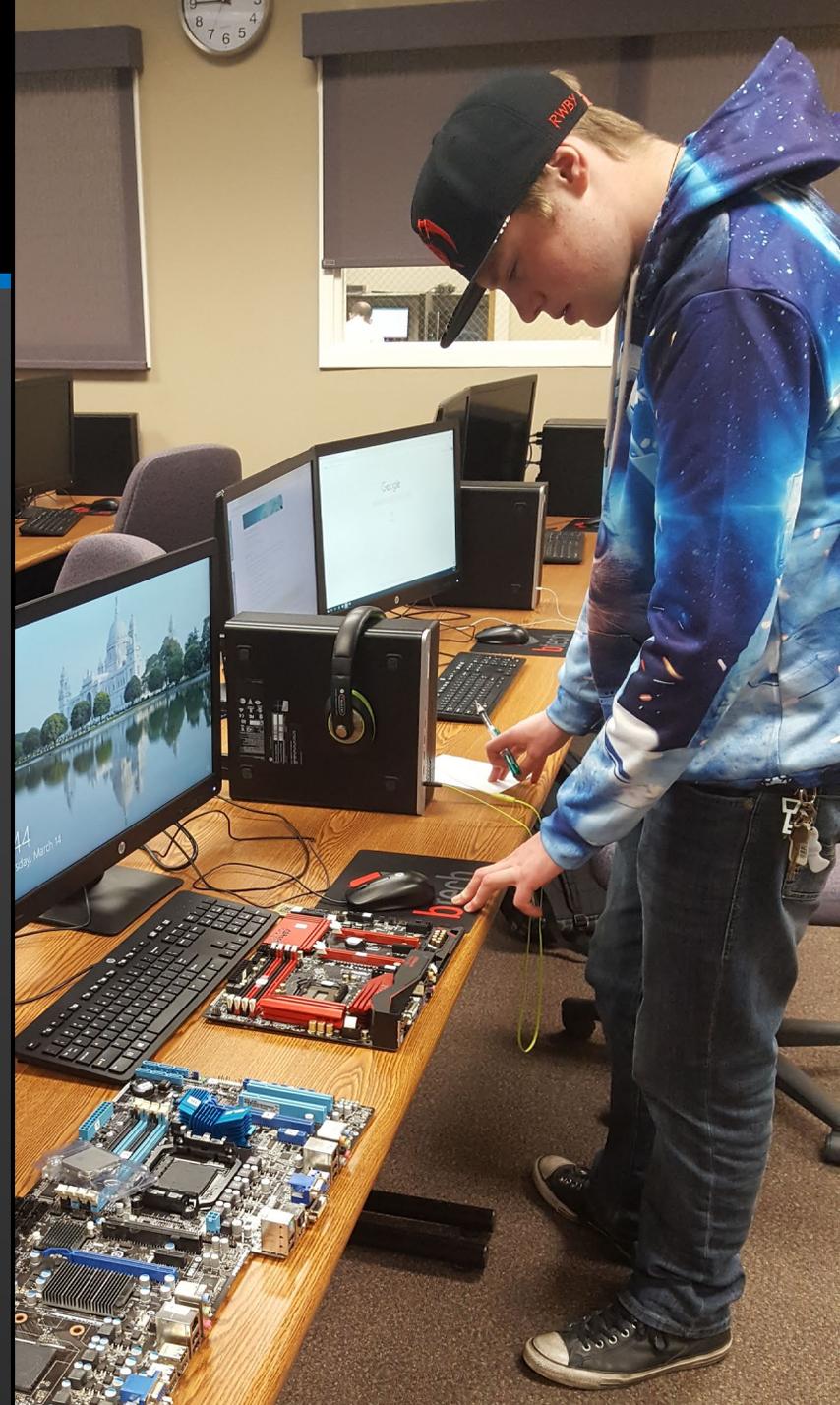
TRIPLE  
LITE  
CyberPOWER  
CPS-1210R05



# Equipment & Hands-On Labs



**IT|STEM**  
ACADEMY

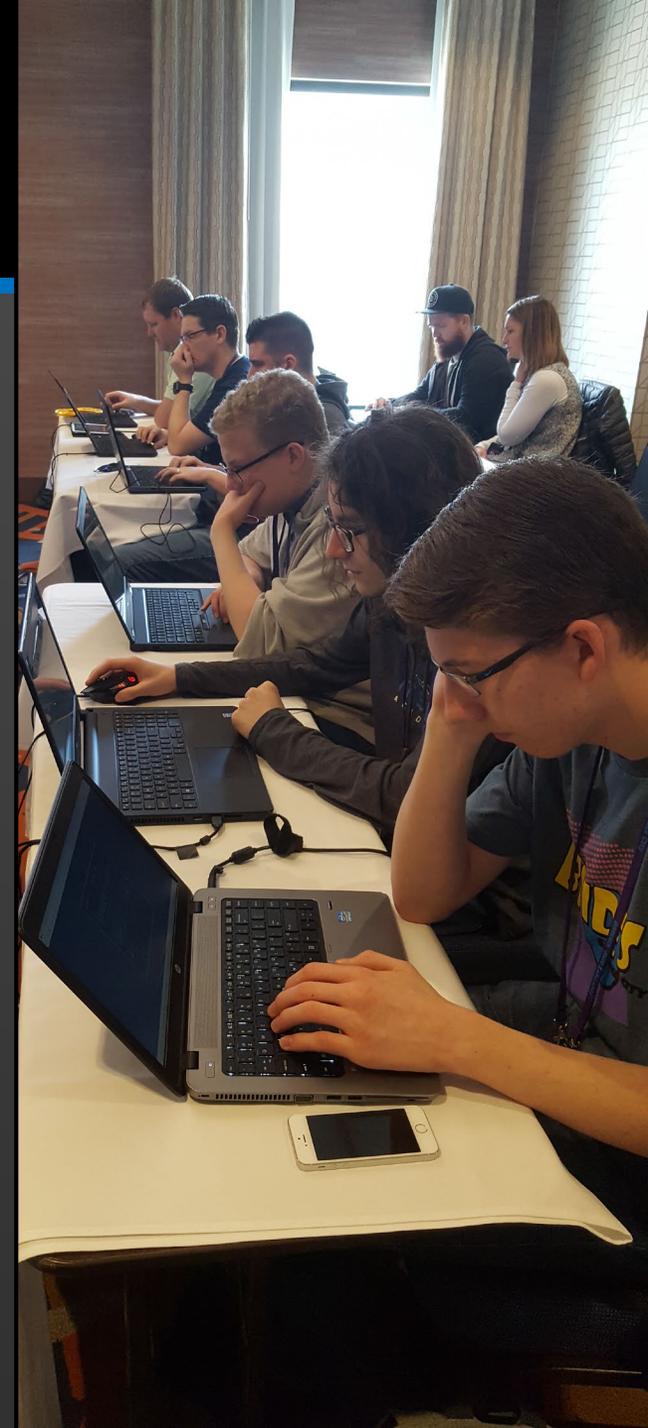
The logo features a stylized graphic of three interlocking hexagons in blue and white above the text "IT|STEM" in a bold, blue, sans-serif font. Below this, the word "ACADEMY" is written in a smaller, white, spaced-out, sans-serif font.

# Engagement & Teamwork



# Cybersecurity Training & Competition – BSides SLC

Team Firehawks  
took 3<sup>rd</sup> Place



# Pathway to a Career



# Industry Certifications



Over 100 industry certifications earned!

# Other Achievements



Green Canyon High School

1<sup>st</sup> Place – SkillsUSA: Information Technology Systems

2<sup>nd</sup> Place – SkillsUSA: Information Technology Systems



Mountain Crest High School

1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup> Place – Utah State I.T. Competition: Networking

2<sup>nd</sup>, 3<sup>rd</sup> Place – Utah State I.T. Competition: Cybersecurity



Ridgeline High School

1<sup>st</sup> Place – Cyber Corps Challenge

3<sup>rd</sup> Place – Bsides SLC CTF Hack-a-Thon



Box Elder High School

Upcoming FBLA Nationals – Networking Concepts

# Students Training Utah CTE Teachers



# Industry Support

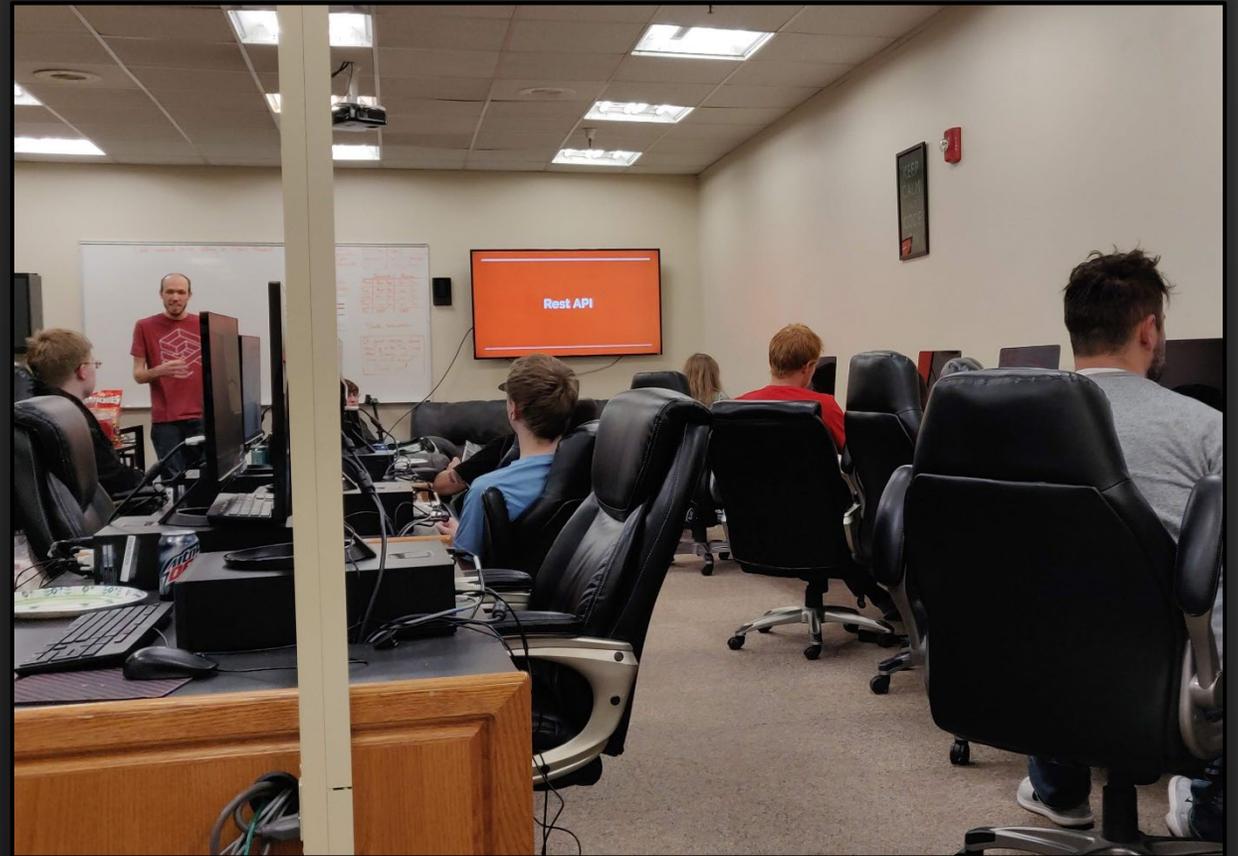


## Industry Donors

- Autoliv
- Nucor
- Air2Data
- Cache District

## Industry Advisors

- Air2Data
- Autoliv
- Blue Rim
- Fox Pest Control
- Icon Health & Fitness
- Intersafe IT
- Harris Research
- Hill AFB
- Pope Tech
- UK2 Group





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# Code to Success

## Coding Summer Camp

- In partnership with Success in Education Foundation
- Students in 9<sup>th</sup> through 12<sup>th</sup> grades
- Pipeline to IT STEM Academy and/or Bridgerland certificate programs (IT & Web & Mobile Development)
- Helping to fulfill industry coding demand
- Stackable Credentials



**SUCCESS *in* EDUCATION**

# Code to Success 2019



# Mission of IT STEM Academy

Create a pipeline of students trained in I.T., coding, and computer related fields to meet industry demands



High School CTE

- Credit for high school computer courses

IT STEM &  
Code to Success

- Jump-start on certificate while in high school

Bridgerland  
Skills Certificate

- Information Technology
- Web & Mobile Development (Coding)

Degree at USU

- Associates of Applied Science
- Bachelors of Science

# Partnership for Stackable Credentials



Bridgerland Skills Certificate = 30 Credits toward AAS / BS degree at USU